

# **GB1110479**

**Publication Title:**

Artificial breasts

**Abstract:**

**Abstract of GB1110479**

1,110,479. Artificial breasts. A. SACKS. 28 Nov., 1966 [28 Nov., 1965; 31 Oct., 1966], No. 53112/66. Heading A3V. [Also in Division A5] An artificial breast to replace or supplement a natural breast comprises a cup 10 of foamed plastics material, e.g. poly-ester or polyether, filled with foamed plastics shreds 18 which may be mixed with glass or ceramic beads 20 or with a liquid such as water or glycerine. The cup preferably has a cloth covering 12, the cup and covering being made water proof if the filling includes a liquid. The backing portion 16 of the cover is flat or hollowed out according to need.

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# PATENT SPECIFICATION

DRAWINGS ATTACHED

**1,110,479**

**1,110,479**



Date of Application and filing Complete Specification: 28 Nov., 1966.  
No. 53112/66.

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Int. Cl.:—A 61 f 1/00

## COMPLETE SPECIFICATION

### Artificial Breasts

I, ALEXANDRA SACKS, a citizen of the Republic of South Africa, of 1, St. Moritz, Eckstein Street, Bellevue, Johannesburg, Republic of South Africa, do hereby declare the invention for which I pray that a patent may be granted to me and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to artificial breasts, for wear after mastectomy, or to supplement natural deficiency. In present practice, as far as the applicant is aware, artificial breasts are made of a resilient material, such as sponge rubber, appropriately shaped, and are inserted into the cup of a brassiere. The effect is not always life-like. The object of the present invention is to provide a device that closely simulates the real thing, indeed sufficiently closely to be wearable with a bathing costume.

According to the invention, the breast is made of foamed plastic, shaped as a cup of appropriate contour, and the cavity of the cup is filled with foamed plastic shreds. The cup may be moulded, but would in practice be fabricated from plastic sheet by shaping the sheet and gluing or stitching it. The plastic is preferably enclosed in a fabric casing.

A breast of this construction is suitable for wear with a boned garment such as the bodice of a bathing suit. However, for everyday wear, when it is desirable that the breast be given a certain ponderousness to simulate in its movements a real breast, the invention includes in the combination a fluent body mixed with the plastic filler.

The body is, in its preferred form, made up of discrete particles such as small glass or ceramic beads, but it may be a liquid such as water, or a viscous liquid such as glycerine.

An embodiment of the invention is shown in the accompanying drawings, in which Figure 1 is a view of the rear face of the artificial breast, and

Figure 2 is a vertical section through it.

In the drawing, the breast consists of a casing (10) enclosed in a cloth cover (12). The casing is shaped in a former from sheet foamed plastic, such as a foamed polyester or polyether, to the required shape.

The cavity between the casing and the back (16) of the cover is filled with shredded foamed plastic, which may be of the same composition as the casing. The shreds are indicated by (18).

In one form of the invention, the shreds are mixed with discrete material, such as glass beads (20) about 1/8" in diameter. The mixture is not necessarily and will generally not be homogeneous as the beads will tend to migrate downwardly. In an alternative construction, the interstices of the shreds (18) are filled with a liquid, which may be water, but is preferably a viscous liquid, like glycerine. In this case, of course, the casing and cover must be made liquid-impervious.

The back of the cover (16) is shaped according to the needs of the case. It may be flat, if it is an entire replacement. To supplement natural deficiency, it will be hollowed out to fit over the existing structure.

The beads or the liquid give to the breast the weight necessary to make it move in a fashion closely similar to the real, and also has the added advantage that the wearer is given the feeling that the breast has weight, as is the case with the natural breast.

#### WHAT I CLAIM IS:—

1. An artificial breast made of a casing of foamed plastic, shaped as a cup of appropriate contour, with the cavity of the cup filled with foamed plastic shreds.

2. The breast of claim 1, including a fluent body mixed with the plastic shreds.

3. The breast of claim 2 in which the fluent body is a body of discrete particles, such as glass beads.

4. The breast of claim 2 in which the fluent body is a liquid.

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5. The breast of claim 4 in which the liquid  
is a viscous liquid such as glycerine.
6. The breast of any of the above claims  
in which the casing is enclosed in a cloth cover.
- 5 7. The breast of claim 6 in which the casing  
is cup-shaped, and the cover extends over it  
to enclose it completely.
8. The breast of claim 6 or claim 7, intended  
to supplement natural deficiency, in which the  
10 back is shaped to fit over the existing structure.
9. An artificial breast, substantially as herein  
described.
10. An artificial breast, substantially as de-  
scribed and as illustrated in the accompanying  
drawings. 15

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1110479 COMPLETE SPECIFICATION  
1 SHEET

*This drawing is a reproduction of  
the Original on a reduced scale*

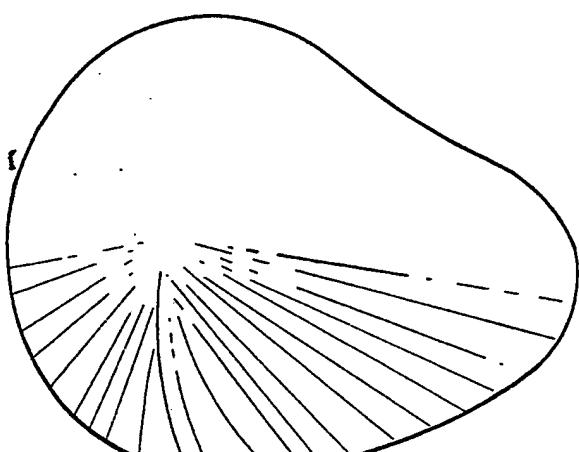


FIG. 1

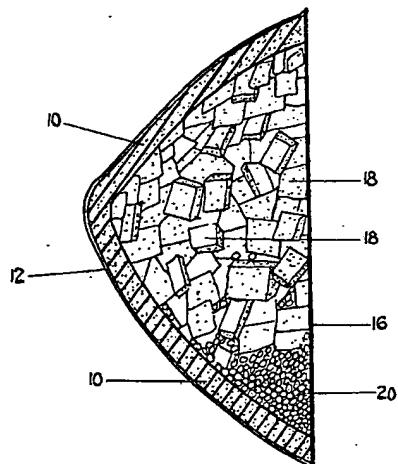


FIG. 2